



West Lake Landfill boring logs

Muenks, Shawn

to:

Dan Gravatt

12/07/2012 02:27 PM

Hide Details

From: "Muenks, Shawn" <shawn.muenks@dnr.mo.gov>

To: Dan Gravatt/R7/USEPA/US@EPA

History: This message has been replied to.

1 Attachment



1995 McLaren Hart Well Details.pdf

Dan,

During my file organization I ran across a collection of well construction details. According to the transmittal letter these drawings originated from the Groundwater Conditions Report for West Lake Landfill Areas 1 & 2 by McLaren/Hart dated November 26, 1996. I thought you might find them useful per your request for our well registration logs.

Shawn Muenks, P.E.
Missouri Department of Natural Resources
P.O. Box 176, Jefferson City, MO 65102-0176
Ph: (573)751-3107
email: shawn.muenks@dnr.mo.gov

0714



3.0

0400



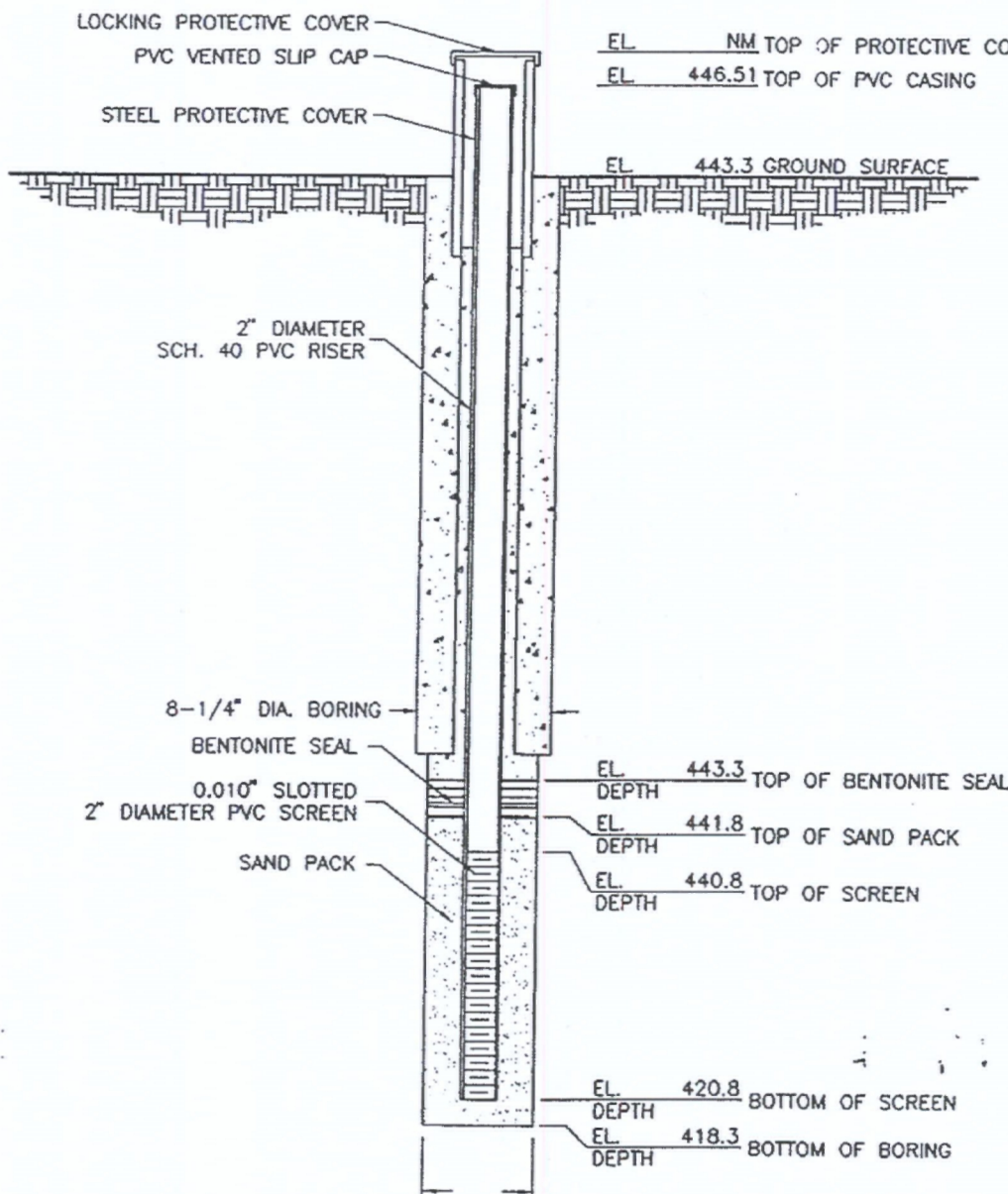
MONITORING WELL DETAILS

PROJECT NO. 070803035
WELL NO. S-1

PROJECT NAME WEST LAKE LANDFILL

WELL LOCATION BRIDGETON, MISSOURI

DATE 8/2/95 BY HART ENVIRONMENTAL DRILLING



NOTES:

1. REFER TO SOIL BORING WL-204 FOR SOIL DESCRIPTION.
2. DETAIL NOT TO SCALE.
3. NM = NOT MEASURED

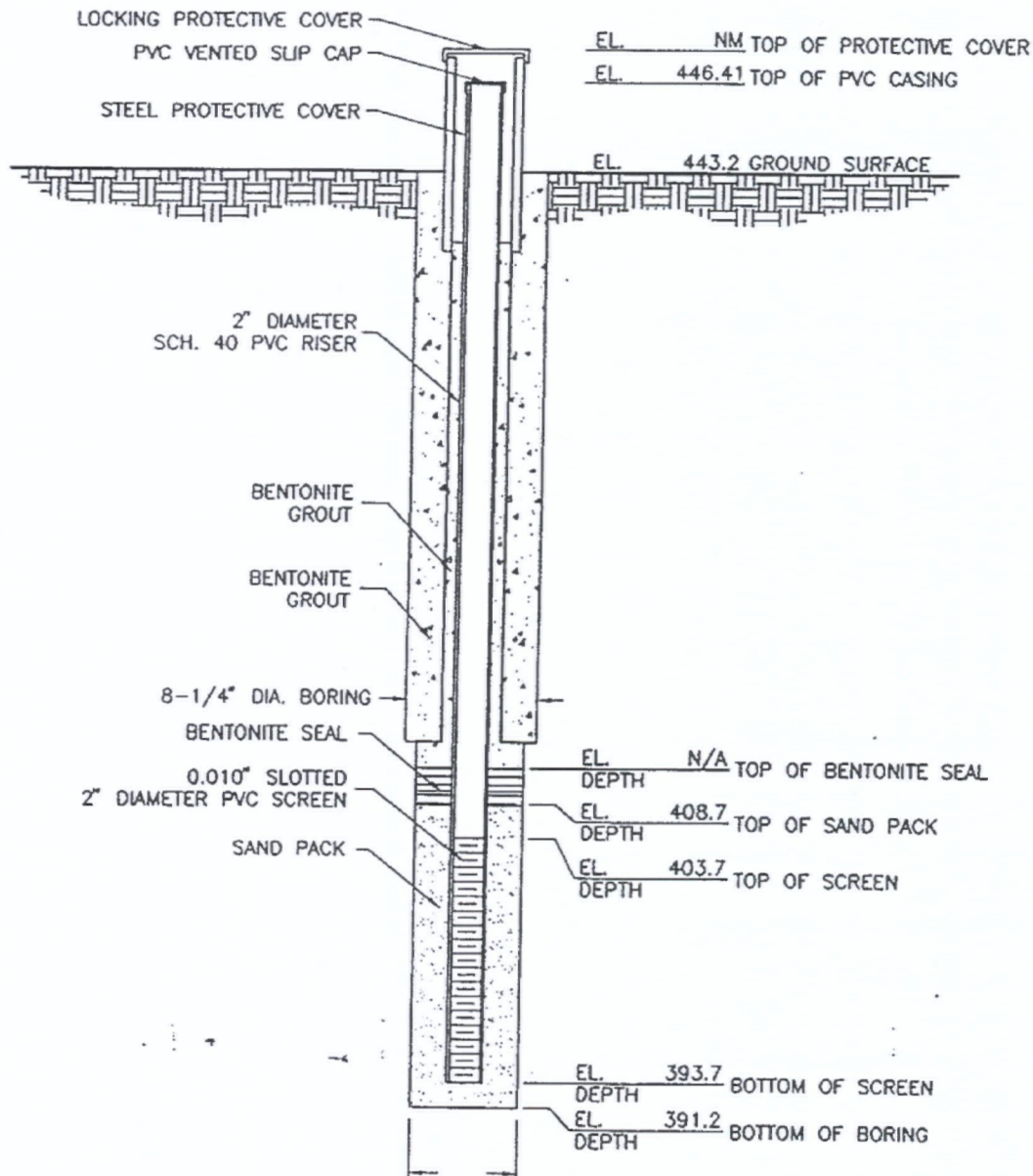
MONITORING
WELL DETAILS

PROJECT NO. 070803035
WELL NO. 1-2

PROJECT NAME WEST LAKE LANDFILL

WELL LOCATION BRIDGETON, MISSOURI

DATE 8/2/95 BY HART ENVIRONMENTAL DRILLING



NOTES:

1. REFER TO SOIL BORING WL-205 FOR SOIL DESCRIPTION.
2. DETAIL NOT TO SCALE.
3. NM = NOT MEASURED
4. N/A NOT APPLICABLE, BENTONITE GROUT WAS USED TO SEAL WELL UP TO SURFACE.

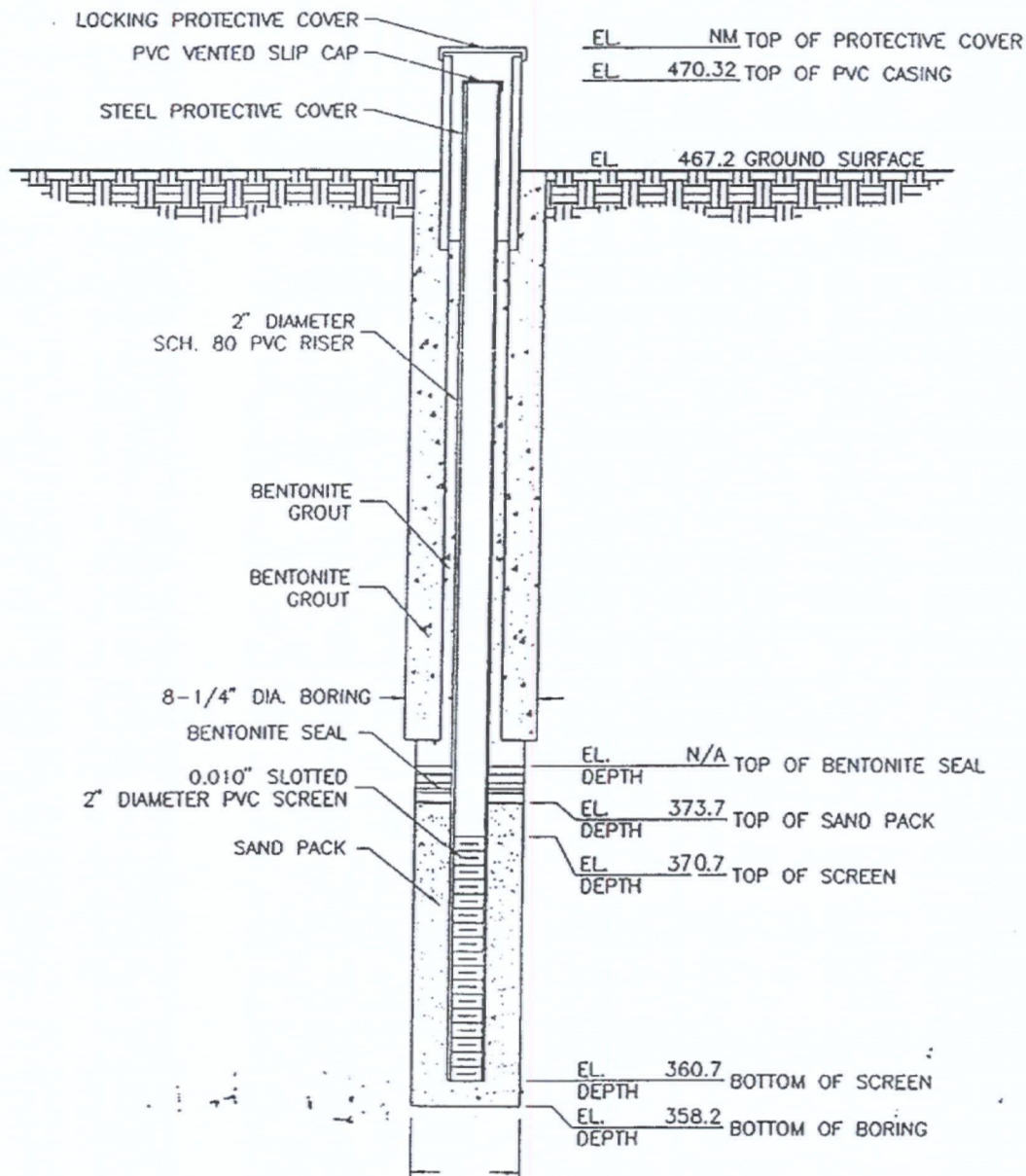
MONITORING
WELL DETAILS

PROJECT NO. 070803035
WELL NO. D-3

PROJECT NAME WEST LAKE LANDFILL

WELL LOCATION BRIDGETON, MISSOURI

DATE 8/9/95 BY HART ENVIRONMENTAL DRILLING



NOTES:

1. REFER TO SOIL BORING WL-105A FOR SOIL DESCRIPTION.
2. DETAIL NOT TO SCALE.
3. NM = NOT MEASURED
4. N/A NOT APPLICABLE, BENTONITE GROUT/CHIPS USED TO SEAL WELL UP TO SURFACE.

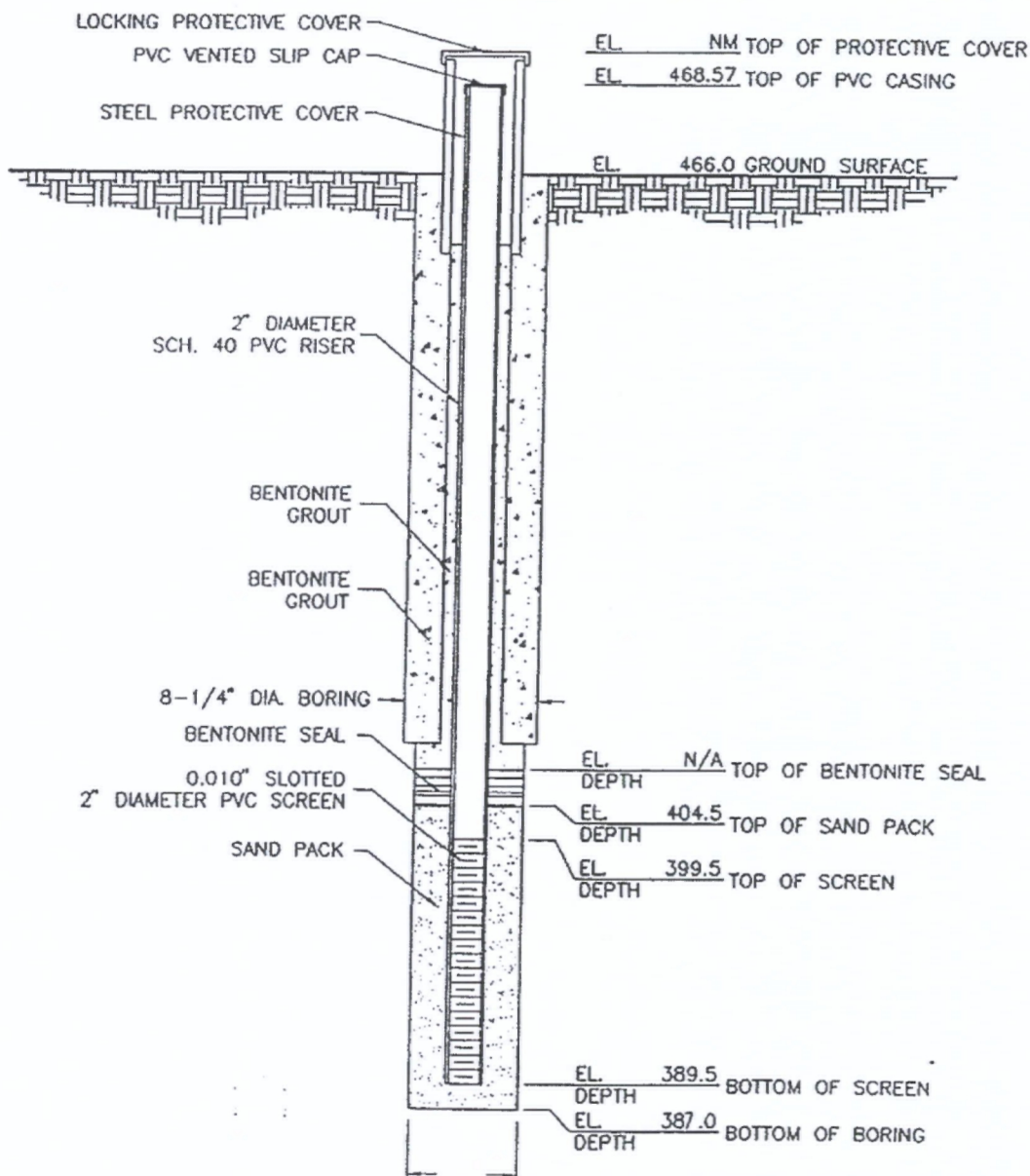
MONITORING
WELL DETAILS

PROJECT NO. 070803035
WELL NO. 1-4

PROJECT NAME WEST LAKE LANDFILL

WELL LOCATION BRIDGETON, MISSOURI

DATE 8/10/95 BY HART ENVIRONMENTAL DRILLING



NOTES:

1. REFER TO SOIL BORING WL-105B FOR SOIL DESCRIPTION.
2. DETAIL NOT TO SCALE.
3. NM = NOT MEASURED
4. N/A NOT APPLICABLE, BENTONITE GROUT/CHIPS USED TO SEAL WELL UP TO SURFACE.

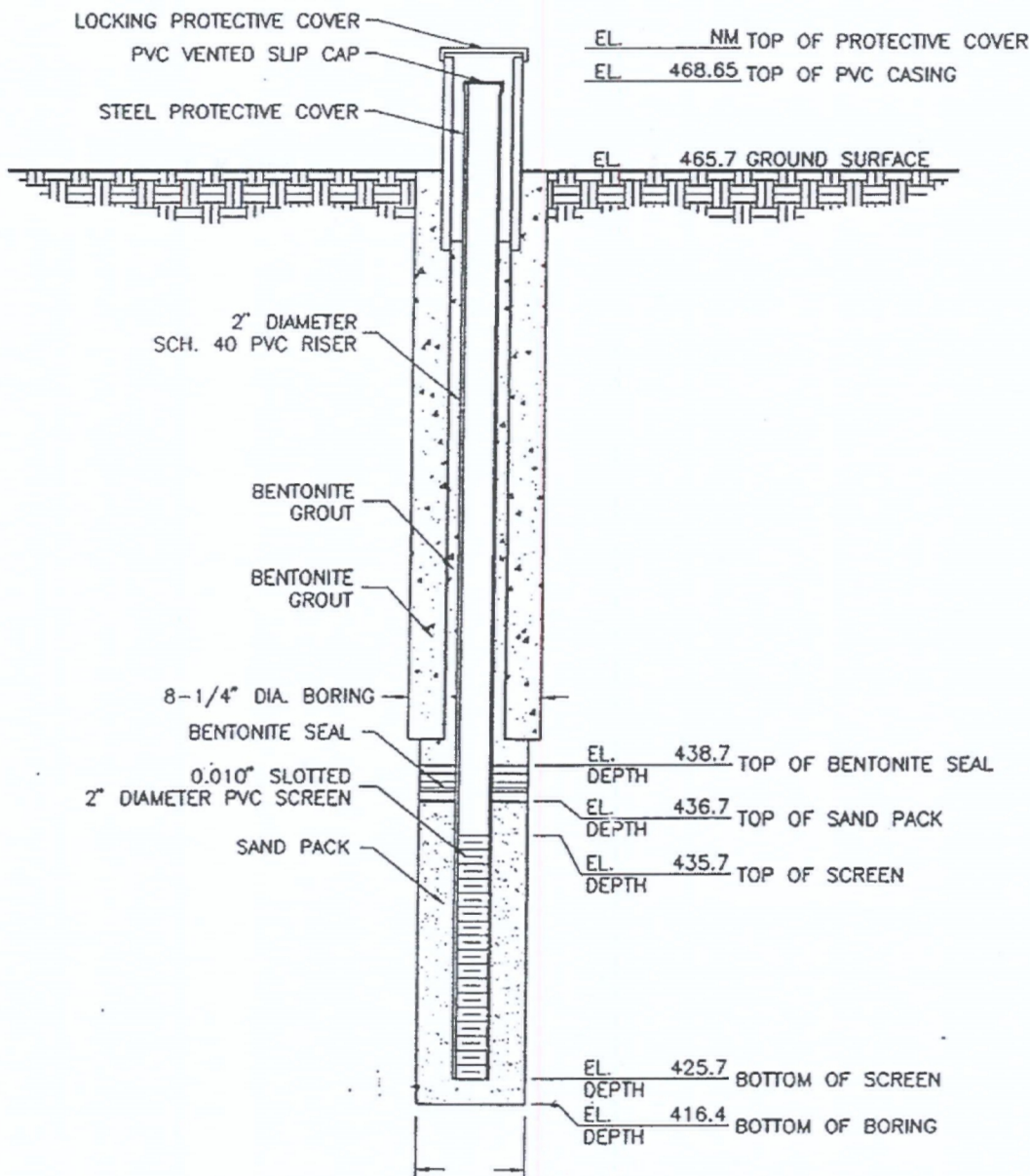


MONITORING WELL DETAILS

PROJECT NO. 070803035
WELL NO. S-5

PROJECT NAME WEST LAKE LANDFILL
WELL LOCATION BRIDGETON, MISSOURI

DATE 8/15/95 BY HART ENVIRONMENTAL DRILLING



NOTES:

1. REFER TO SOIL BORING WL-105C FOR SOIL DESCRIPTION.
2. DETAIL NOT TO SCALE.
3. NM = NOT MEASURED

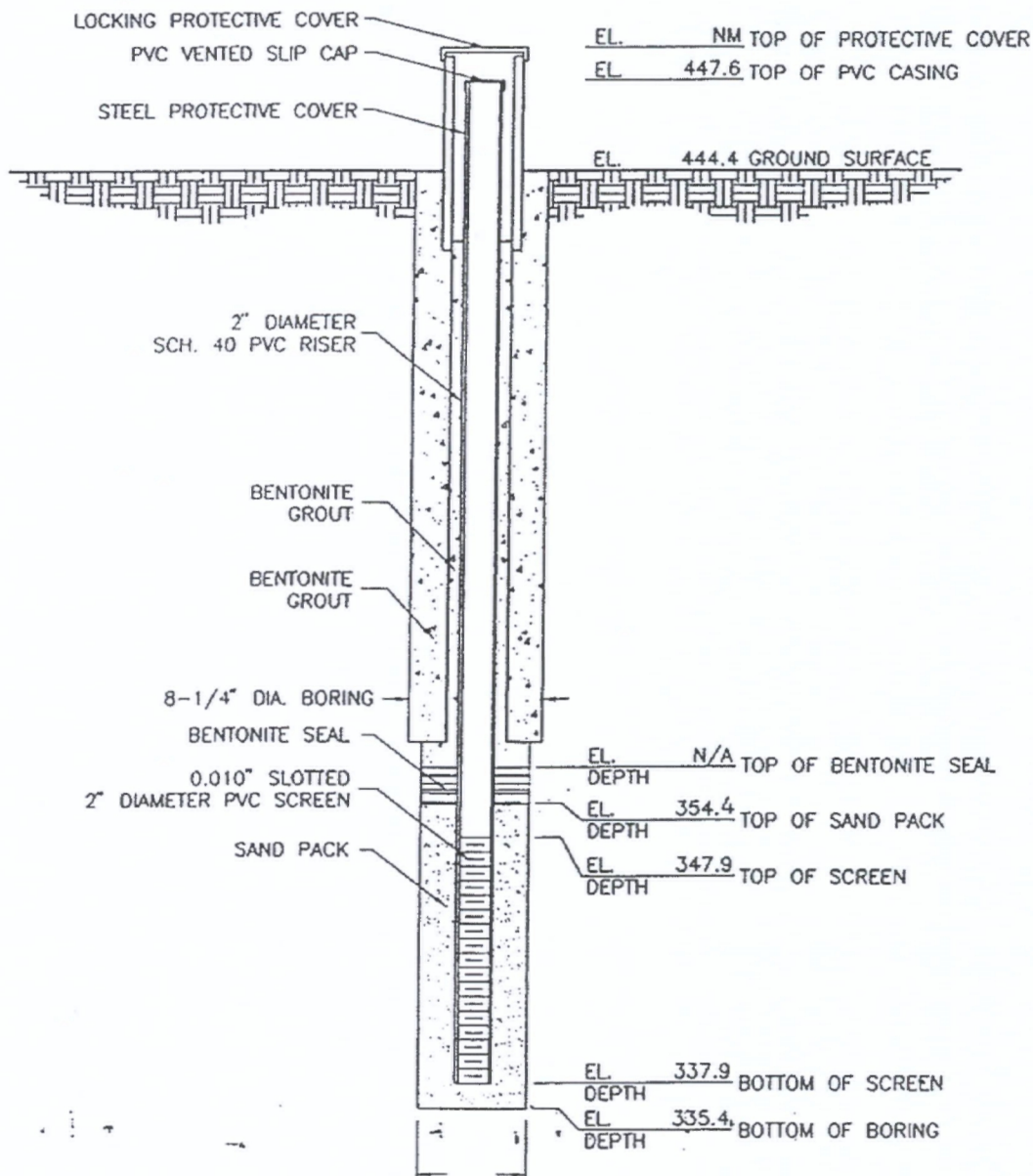
MONITORING
WELL DETAILS

PROJECT NO. 070803035
WELL NO. D-6

PROJECT NAME WEST LAKE LANDFILL

WELL LOCATION BRIDGETON, MISSOURI

DATE 8/17/95 BY HART ENVIRONMENTAL DRILLING



NOTES:

1. REFER TO SOIL BORING WL-206 SOIL DESCRIPTION.
2. DETAIL NOT TO SCALE.
3. NM = NOT MEASURED
4. N/A NOT APPLICABLE; BENTONITE GROUT USED TO SEAL WELL UP TO SURFACE



MONITORING WELL DETAILS

PROJECT NO. 070803035
WELL NO. 1-7

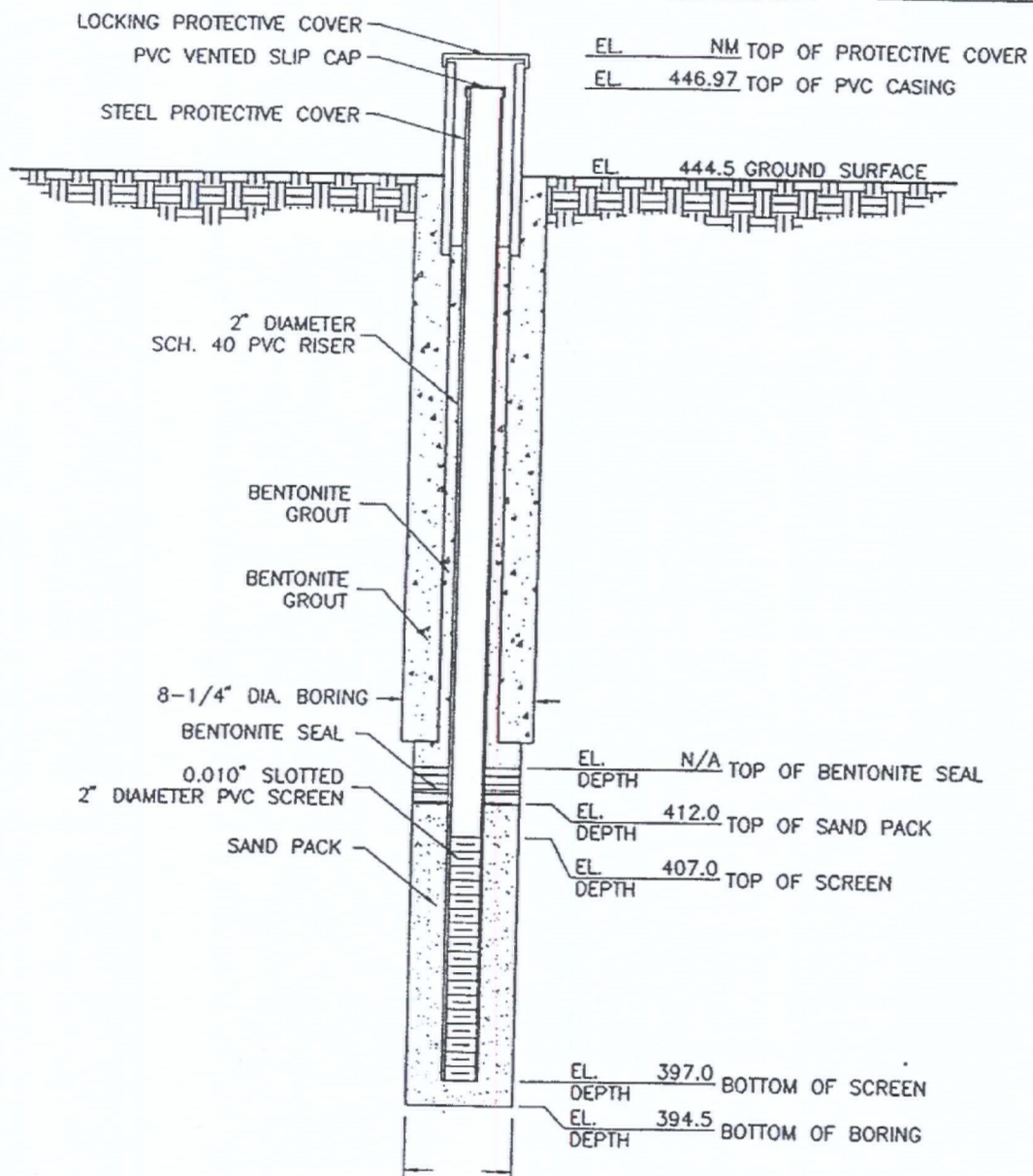
PROJECT NAME WEST LAKE LANDFILL

WELL LOCATION BRIDGETON, MISSOURI

DATE 8/3/95

BY

HART
ENVIRONMENTAL
DRILLING



NOTES:

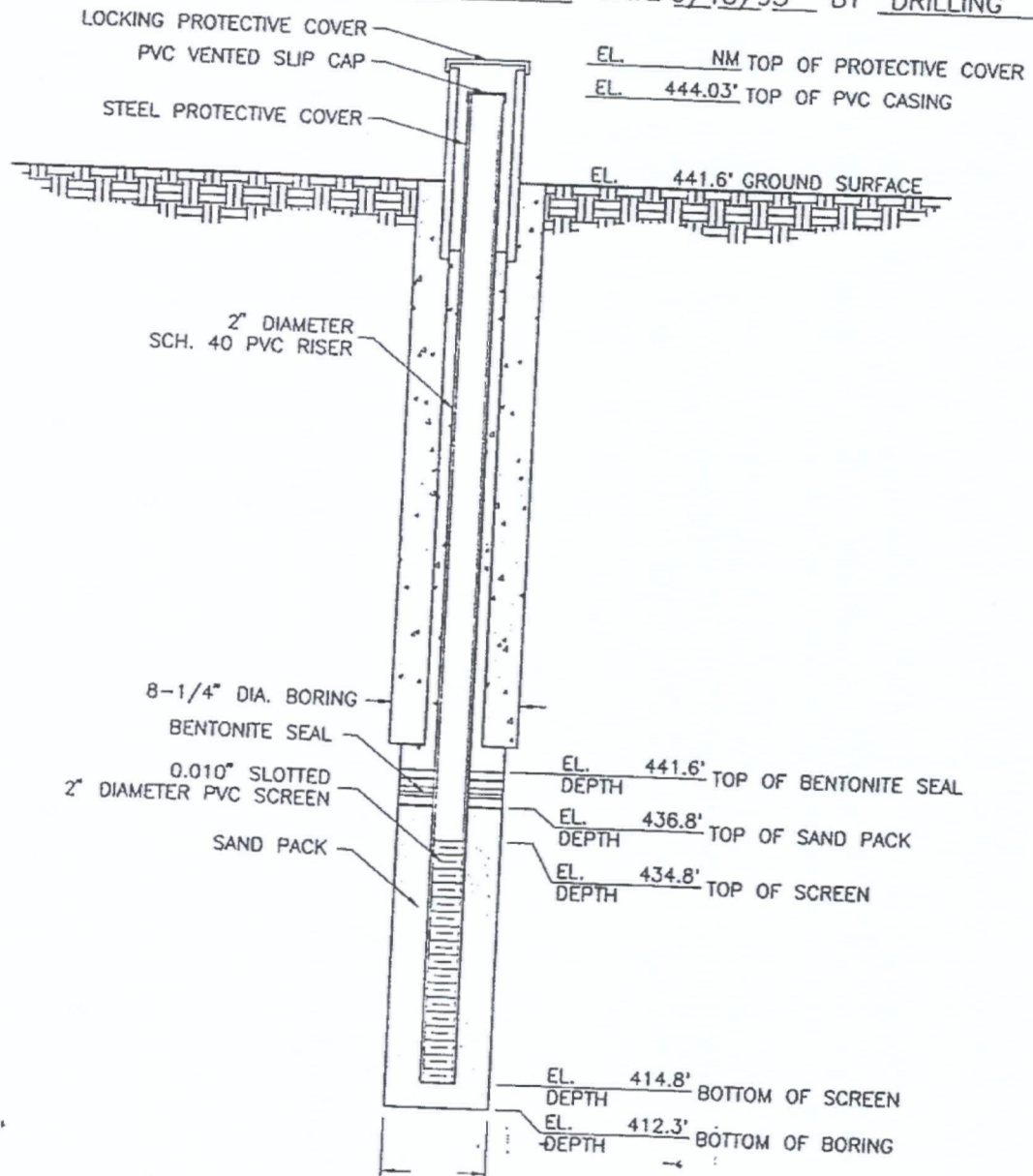
1. REFER TO SOIL BORING WL-207 SOIL DESCRIPTION.
2. DETAIL NOT TO SCALE.
3. NM = NOT MEASURED
4. N/A NOT APPLICABLE; BENTONITE GROUT USED TO SEAL WELL UP TO SURFACE

MONITORING WELL DETAILS

PROJECT NO. 070803035
WELL NO. S-8

PROJECT NAME WEST LAKE LANDFILL
WELL LOCATION BRIDGETON, MISSOURI

DATE 9/15/95 BY HART ENVIRONMENTAL DRILLING



NOTES:

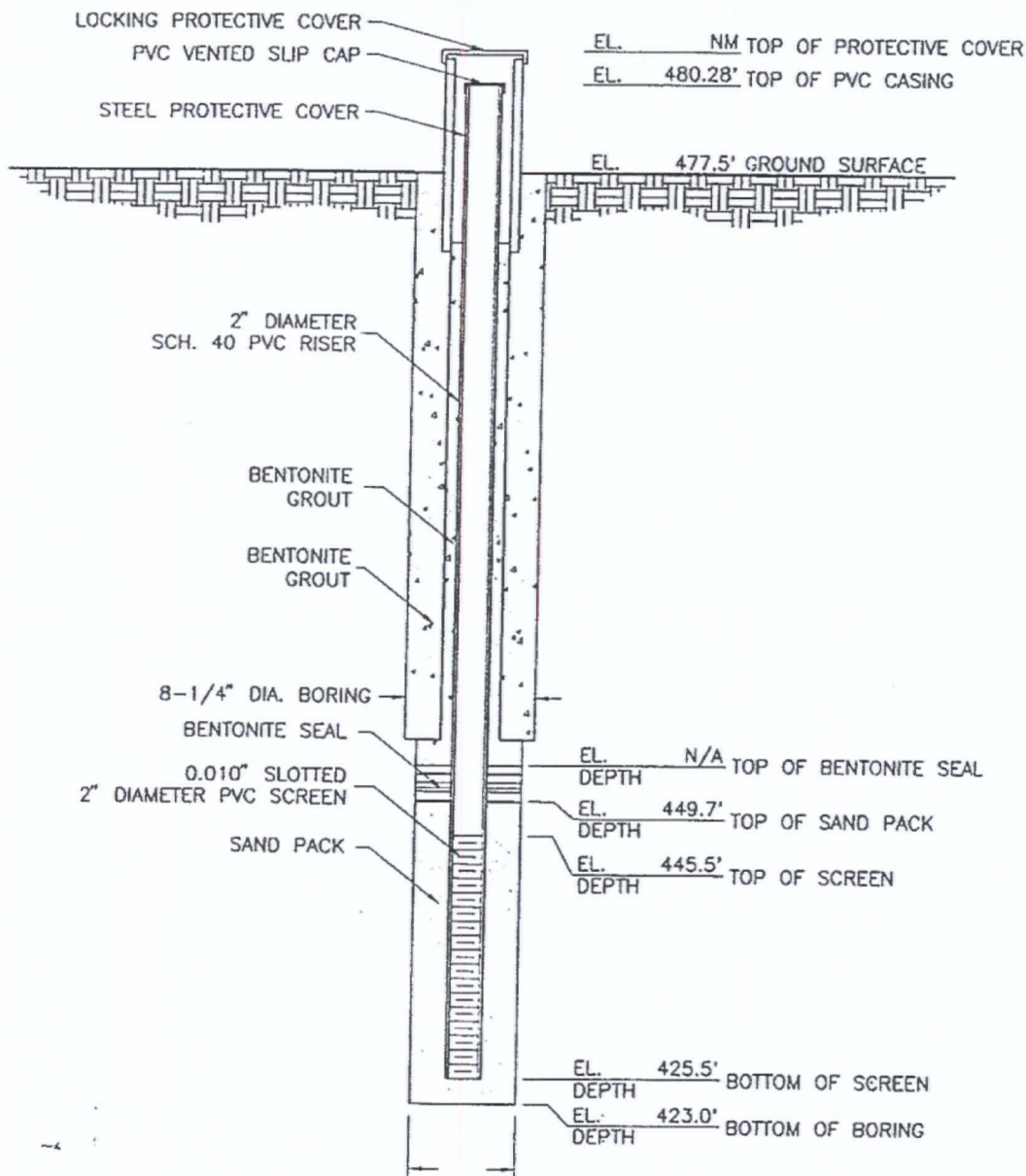
1. REFER TO SOIL BORING WL-228 FOR SOIL DESCRIPTION.
2. DETAIL NOT TO SCALE.
3. NM = NOT MEASURED.

**MONITORING
WELL DETAILS**

PROJECT NO. 070803035
WELL NO. S-10

PROJECT NAME WEST LAKE LANDFILL
WELL LOCATION BRIDGETON, MISSOURI

DATE 9/19/95 BY HART ENVIRONMENTAL DRILLING



NOTES:

1. REFER TO SOIL BORING WL-216B FOR SOIL DESCRIPTION.
2. DETAIL NOT TO SCALE.
3. NM = NOT MEASURED.
4. N/A = NOT APPLICABLE; BENTONITE GROUT/CHIPS USED TO SEAL WELL UP TO SURFACE.

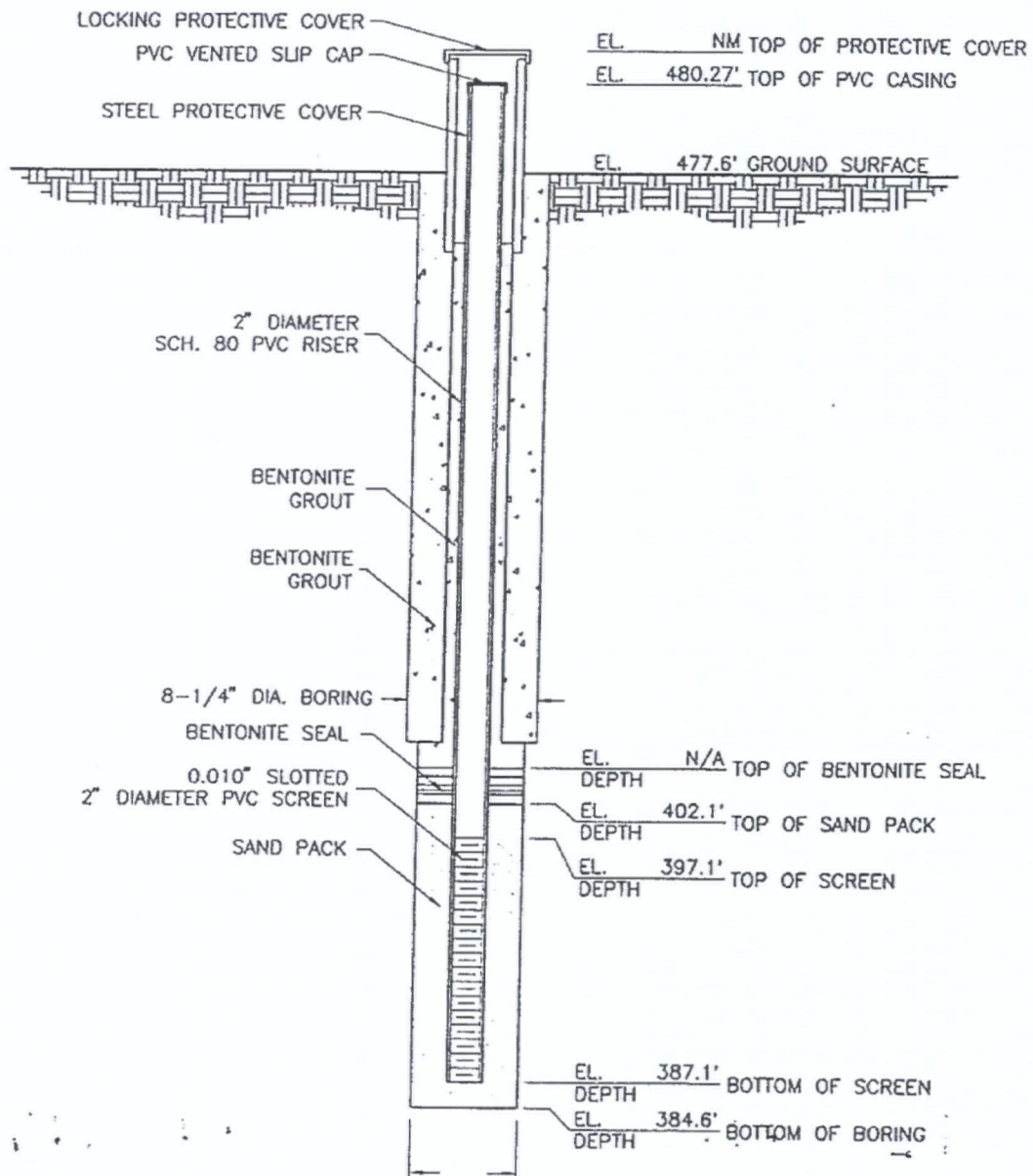
MONITORING
WELL DETAILS

PROJECT NO. 070803035
WELL NO. I-11

PROJECT NAME WEST LAKE LANDFILL

WELL LOCATION BRIDGETON, MISSOURI

DATE 10/13/95 BY HART ENVIRONMENTAL DRILLING



NOTES:

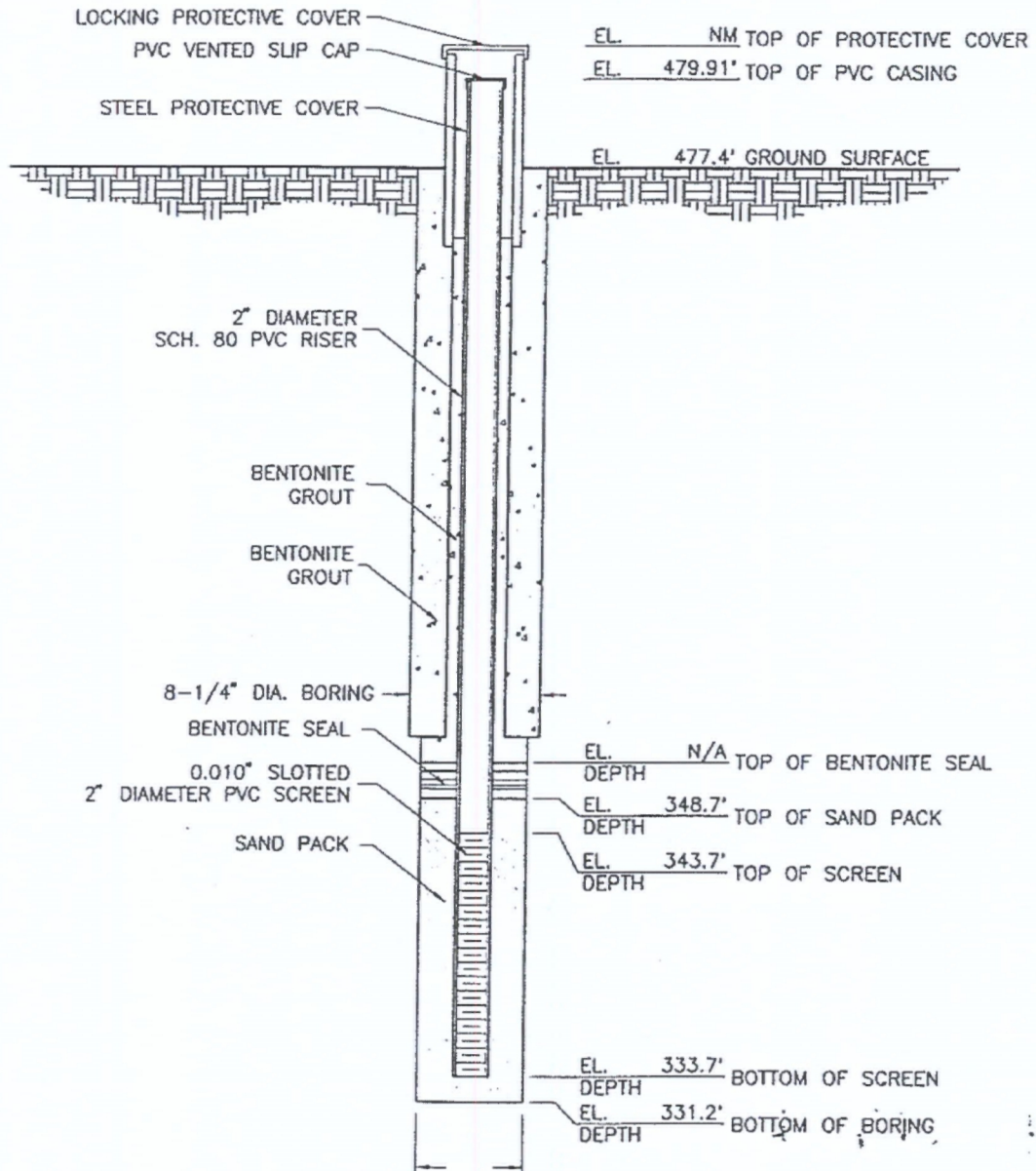
1. REFER TO SOIL BORING WL-216C FOR SOIL DESCRIPTION.
2. DETAIL NOT TO SCALE.
3. NM = NOT MEASURED.
4. N/A = NOT APPLICABLE; BENTONITE GROUT USED TO SEAL WELL UP TO SURFACE.

MONITORING
WELL DETAILS

PROJECT NO. 070803035
WELL NO. D-12

PROJECT NAME WEST LAKE LANDFILL
WELL LOCATION BRIDGETON, MISSOURI

DATE 10/17/95 BY HART ENVIRONMENTAL DRILLING



NOTES:

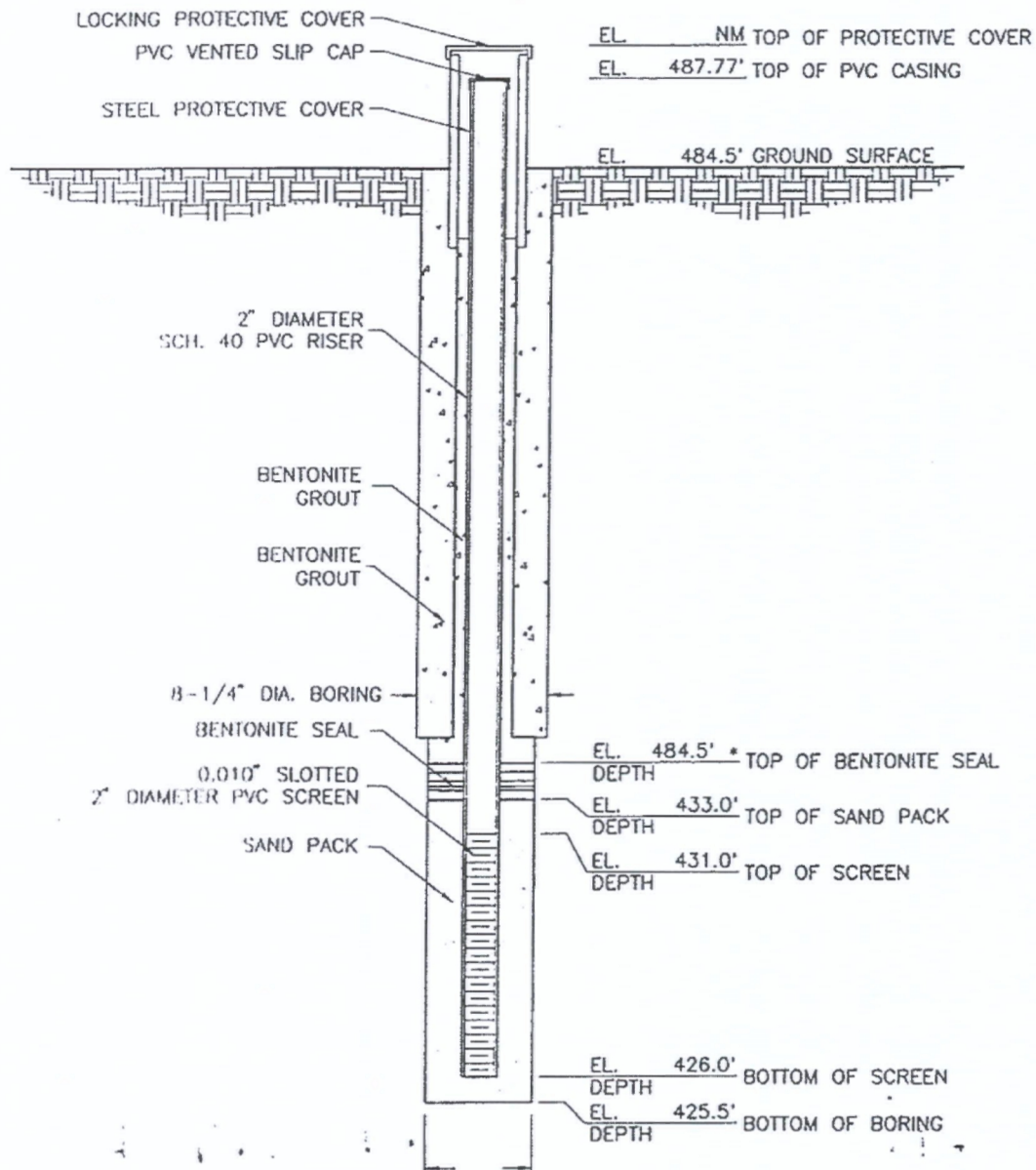
1. REFER TO SOIL BORING WL-216A FOR SOIL DESCRIPTION.
2. DETAIL NOT TO SCALE.
3. NM = NOT MEASURED.
4. N/A = NOT APPLICABLE; BENTONITE GROUT USED TO SEAL WELL UP TO SURFACE.

MONITORING
WELL DETAILS

PROJECT NO. 070803035
WELL NO. D-14

PROJECT NAME WEST LAKE LANDFILL
WELL LOCATION BRIDGETON, MISSOURI

DATE 10/24/95 BY HART ENVIRONMENTAL DRILLING



NOTES

1. REFER TO SOIL BORING WL-109B FOR SOIL DESCRIPTION.
2. DETAIL NOT TO SCALE.
3. NM = NOT MEASURED.
4. * = HYDRATED BENTONITE CHIPS USED TO SEAL WELL UP TO SURFACE.